

Bulk Densities

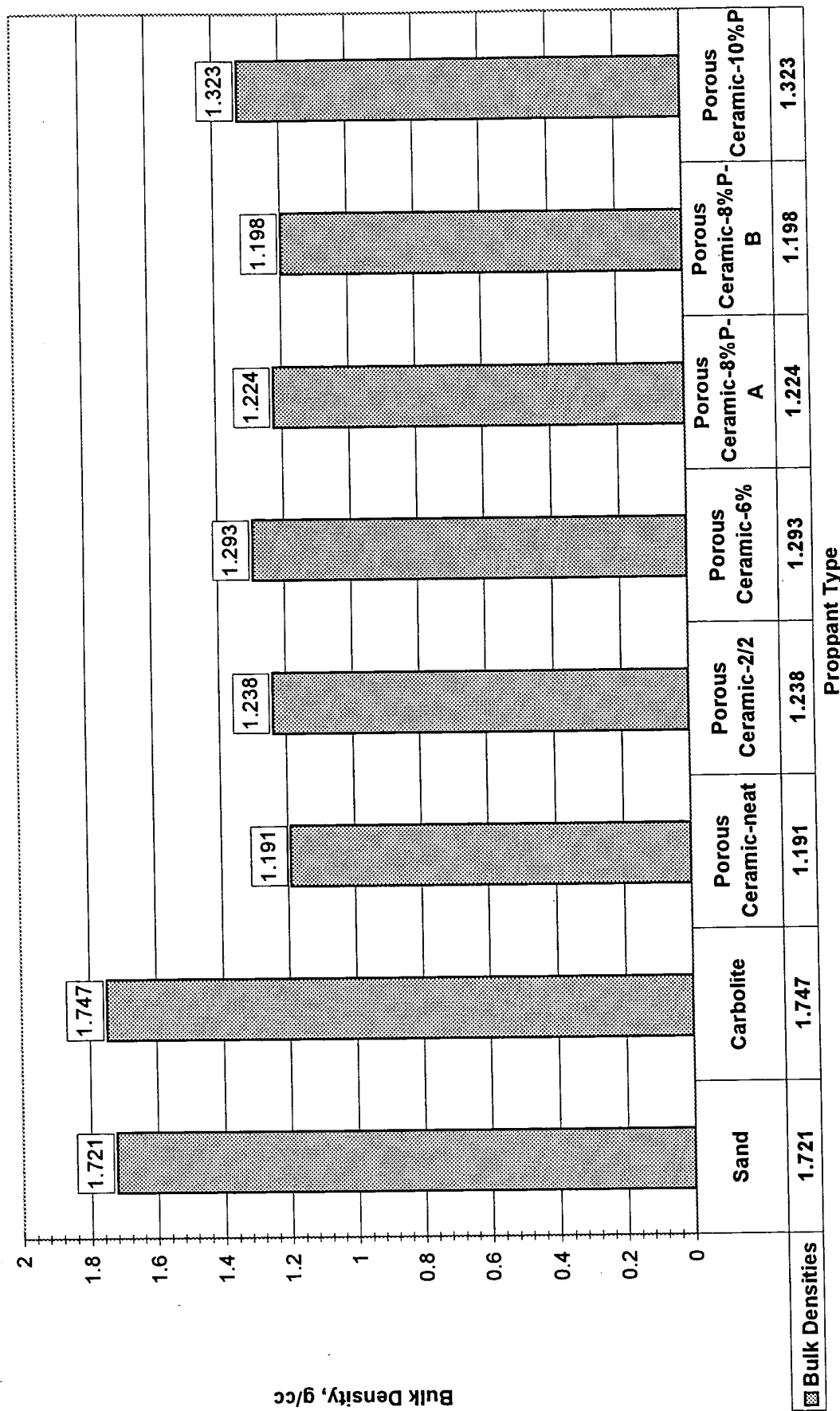


FIG. 1

Permeability versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²



Net Effective Closure Stress

Porous Ceramic-No Coat
 6% Epoxy Coat
 8% Epoxy Coat

FIG. 2

Conductivity versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²

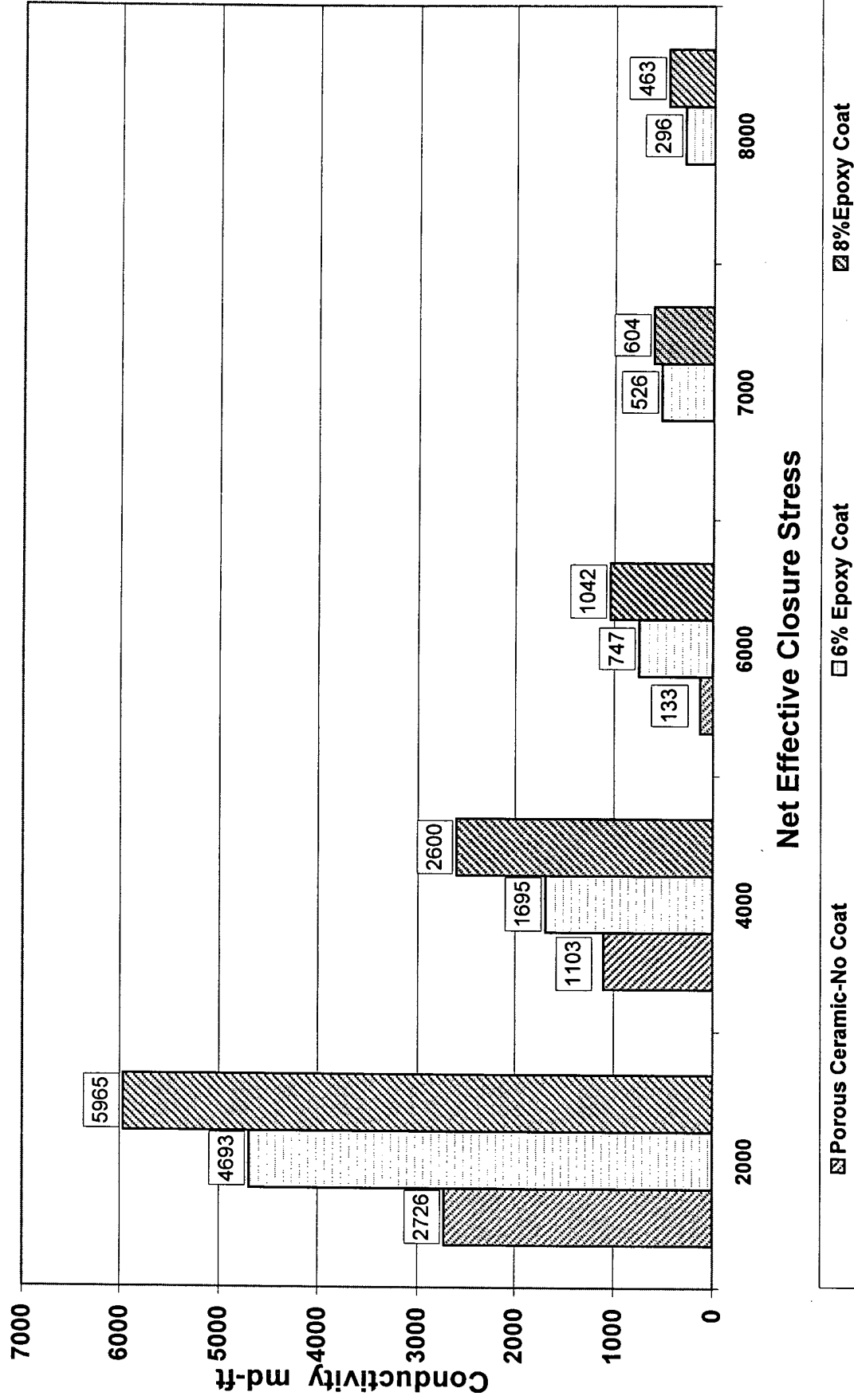
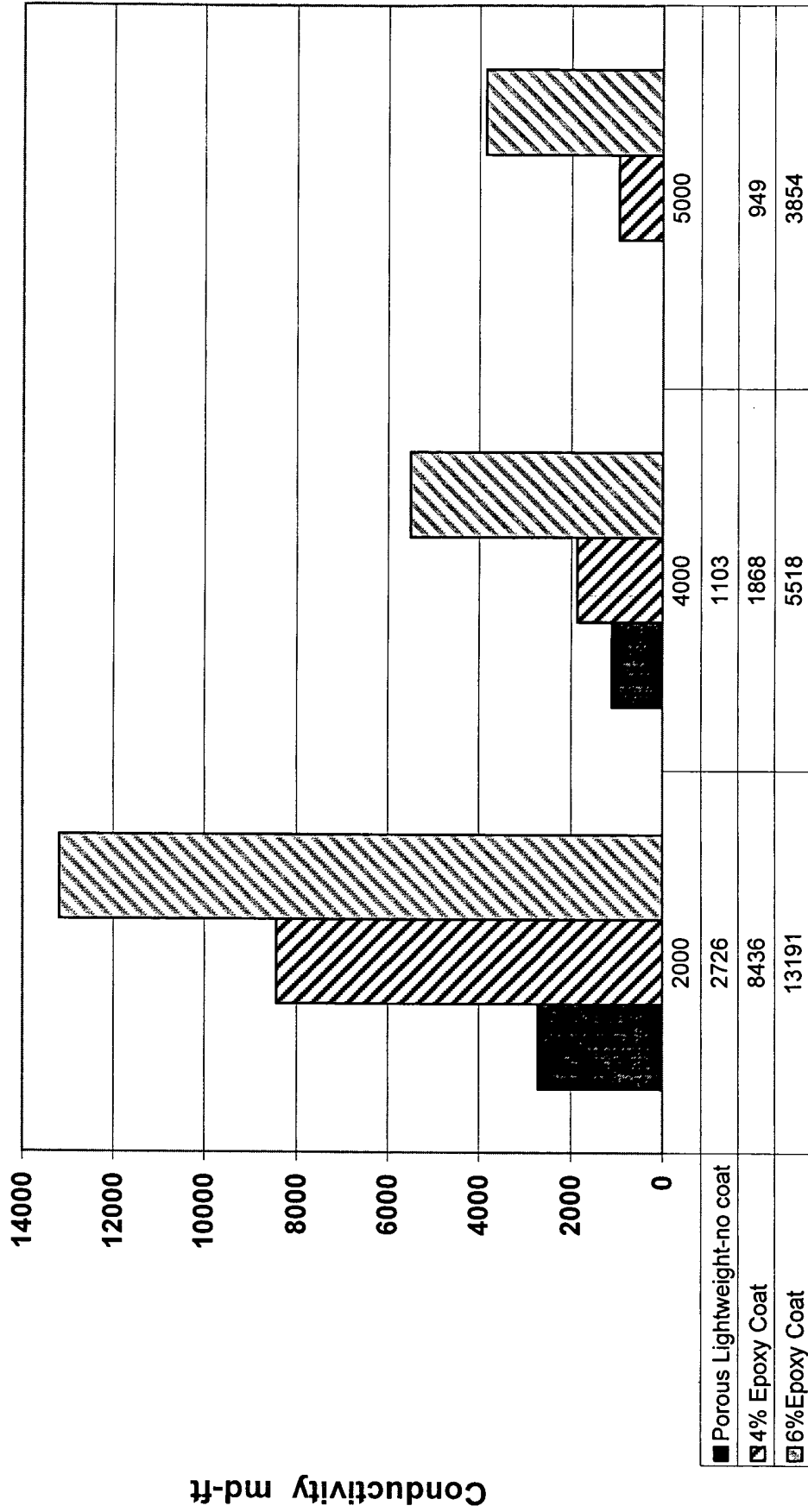


FIG. 3

Conductivity versus Stress Light Ceramic Sample 20/40 Mesh@ 2 lb/ft²

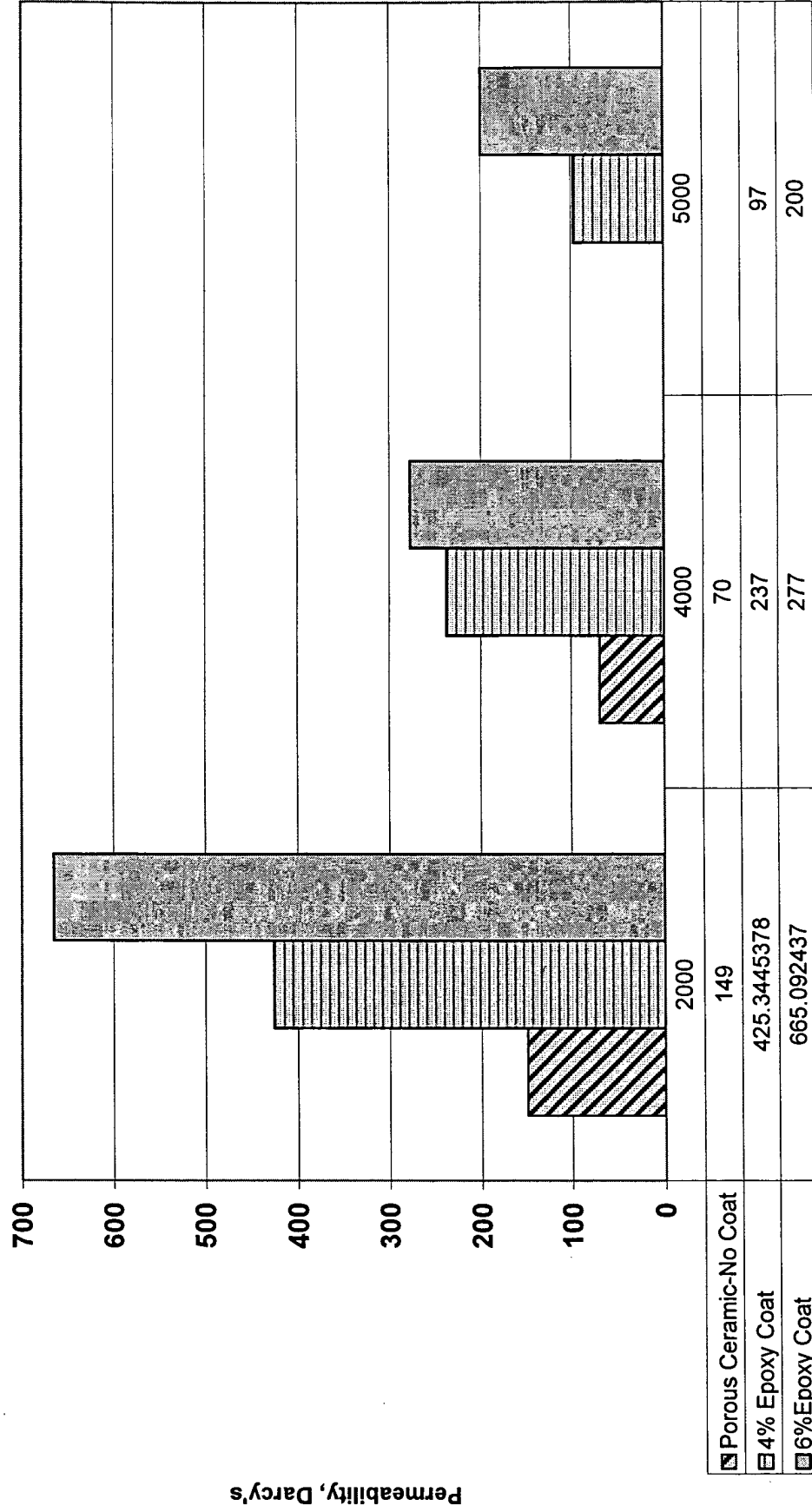


Net Effective Closure Stress

Porous Lightweight-no coat
 4% Epoxy Coat
 6% Epoxy Coat

FIG. 4

Permeability versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²



Net Effective Closure Stress

Porous Ceramic-No Coat
 4% Epoxy Coat
 6% Epoxy Coat

FIG. 5

Porous Lightweight Ceramic Conductivity vs. Resin/Epoxy @ 1lb/ft²

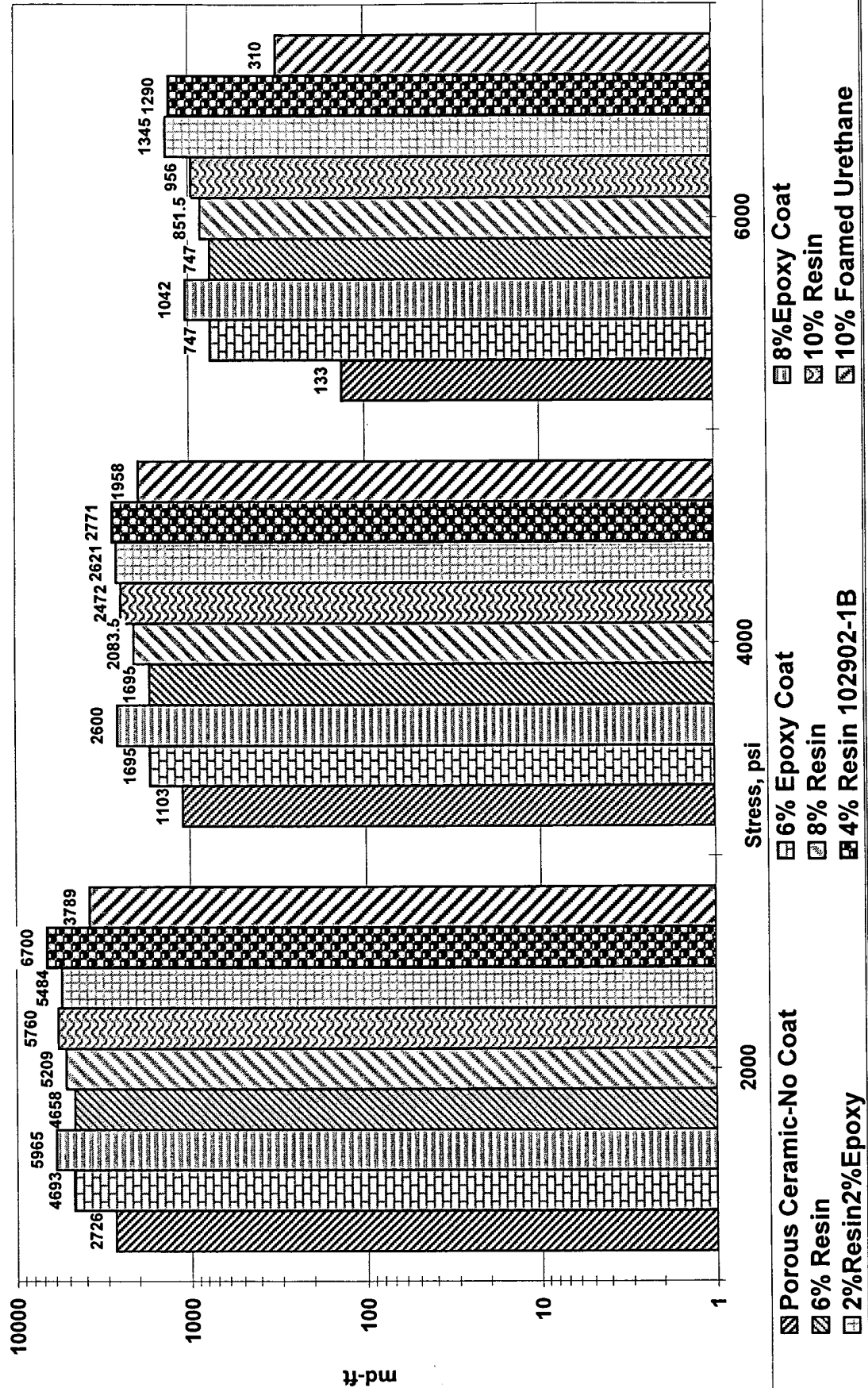
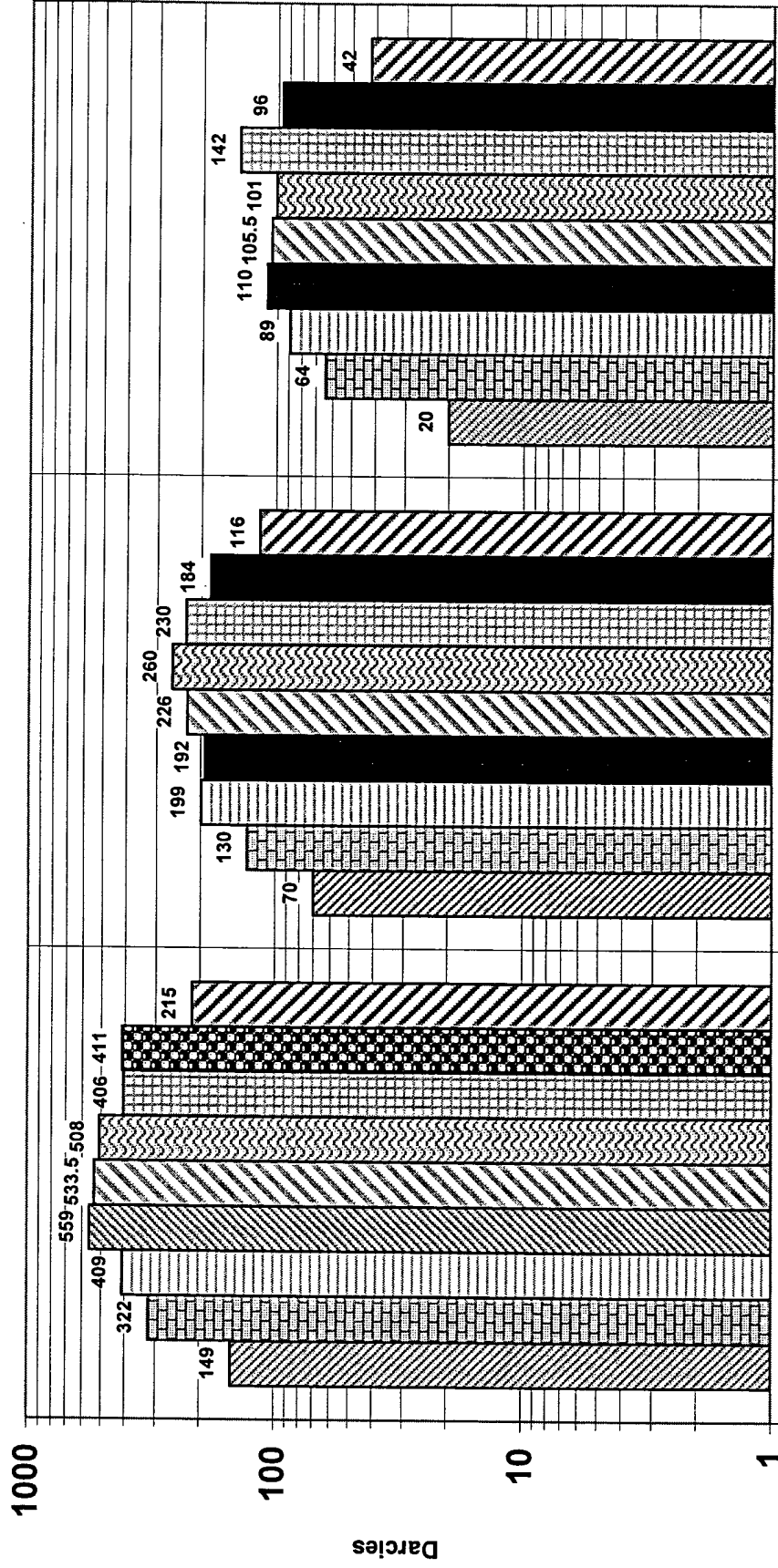


FIG. 6

Porous Ceramic Permeability vs Resin/Epoxy @ 1lb/ft²



▨ Porous Ceramic-No Coat ▨ 6% Epoxy Coat ▨ 8% Epoxy Coat
■ 6% Resin ▨ 8% Resin ▨ 10% Resin
▨ 2% Resin 2% Epoxy ■ 4% Resin 102902-1B ▨ 10% Foamed Urethan

FIG. 7



FIG. 8

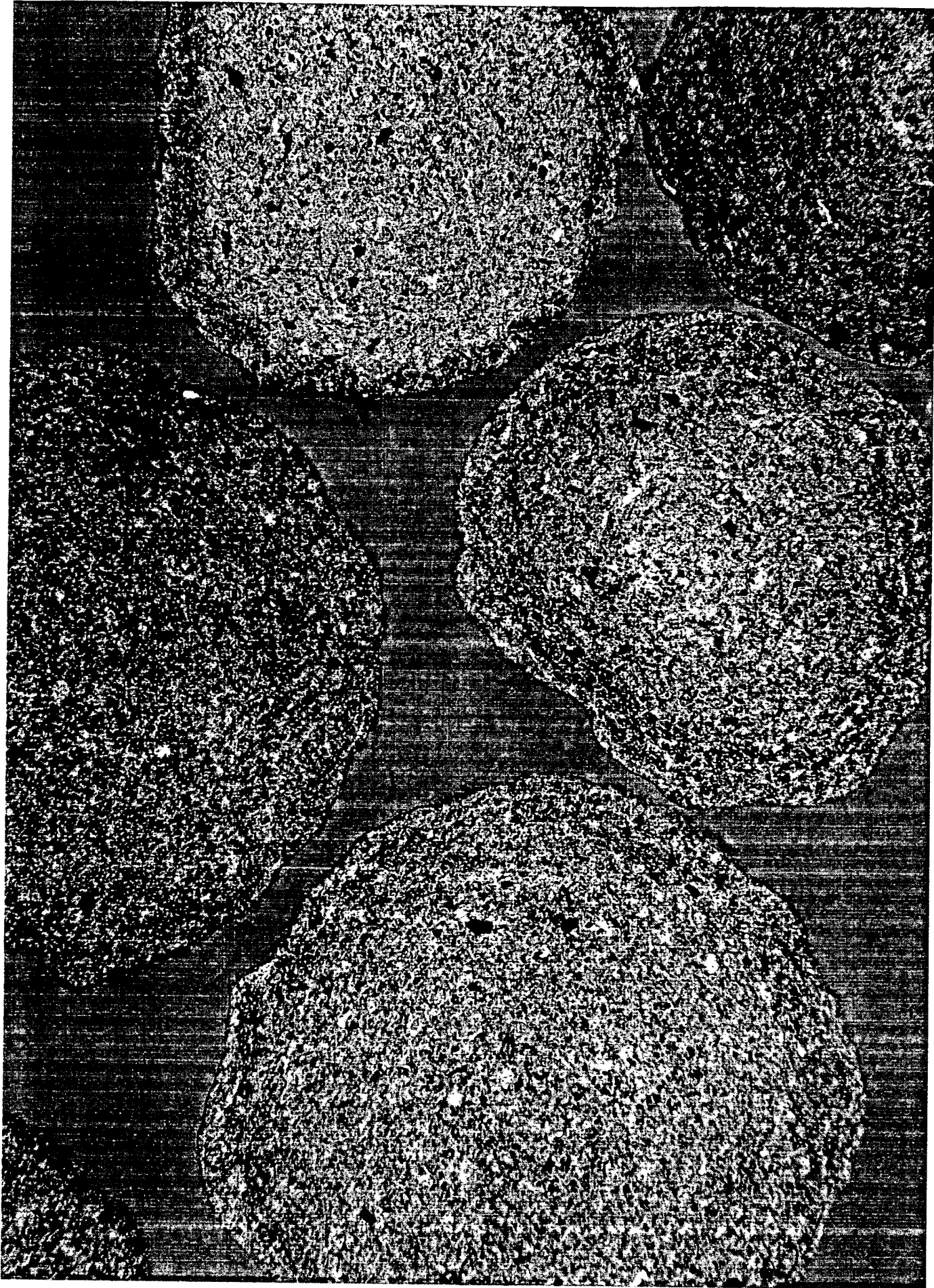


FIG. 9

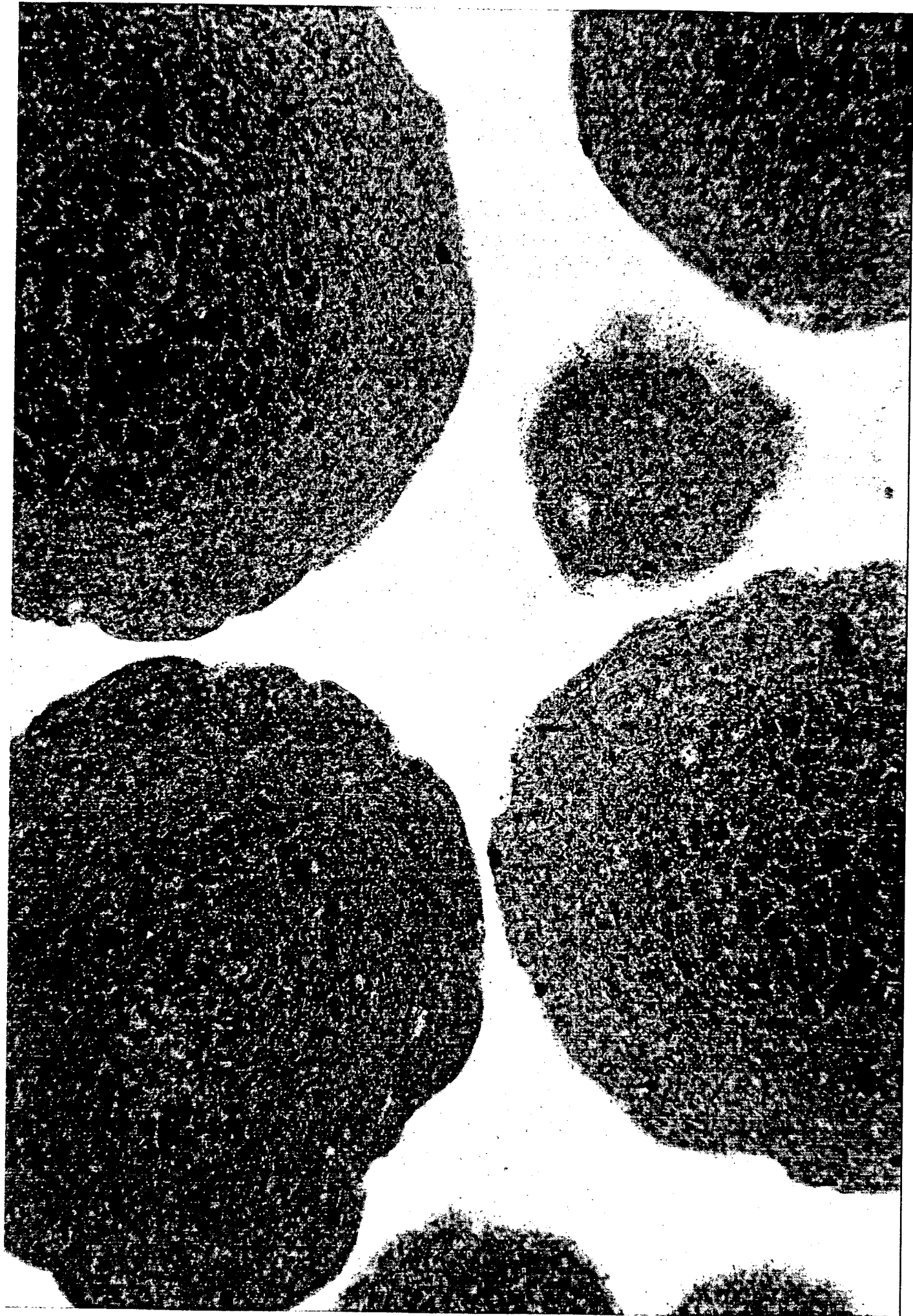


FIG. 10



FIG. 11

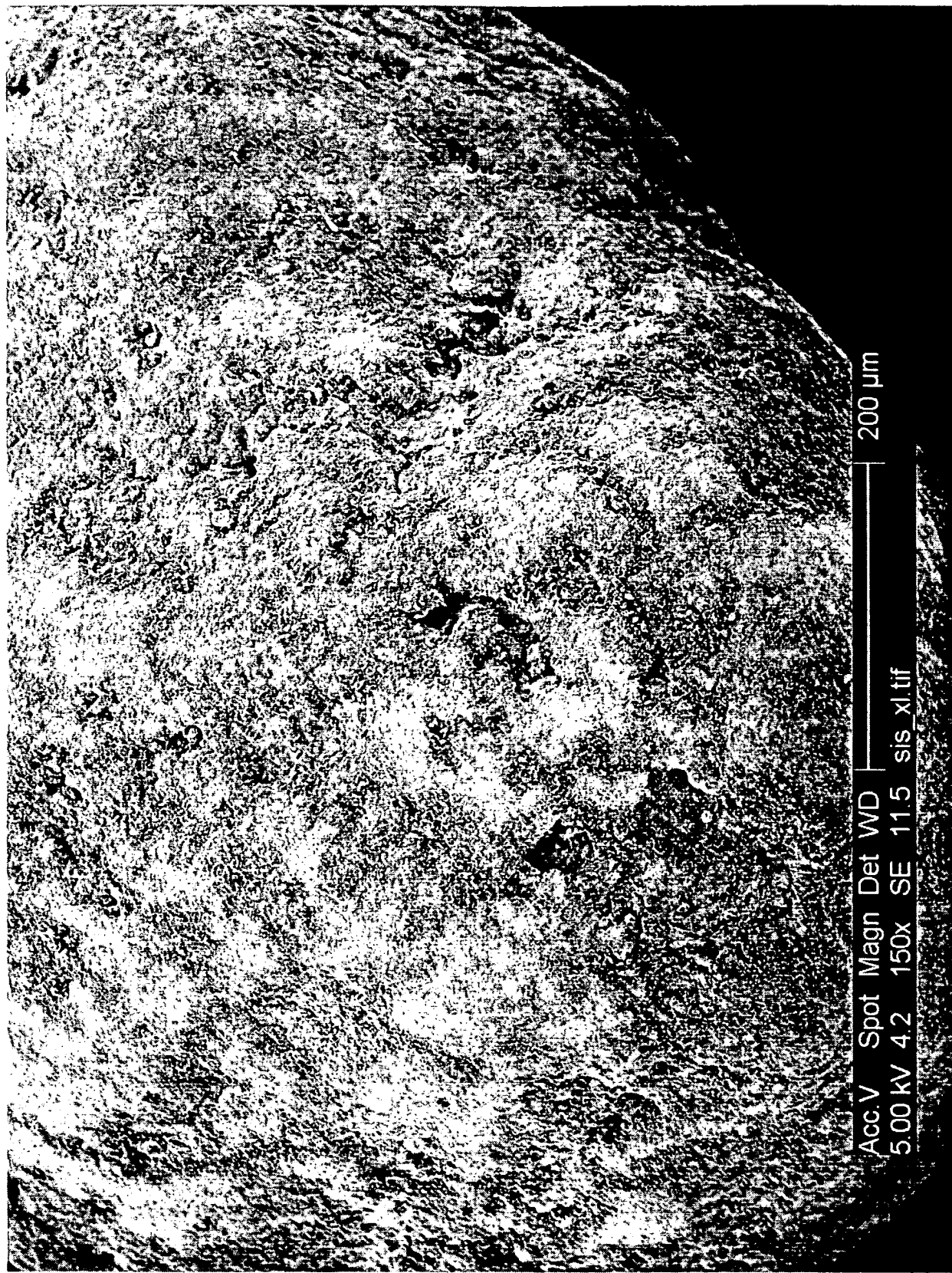


FIG. 12



FIG. 13

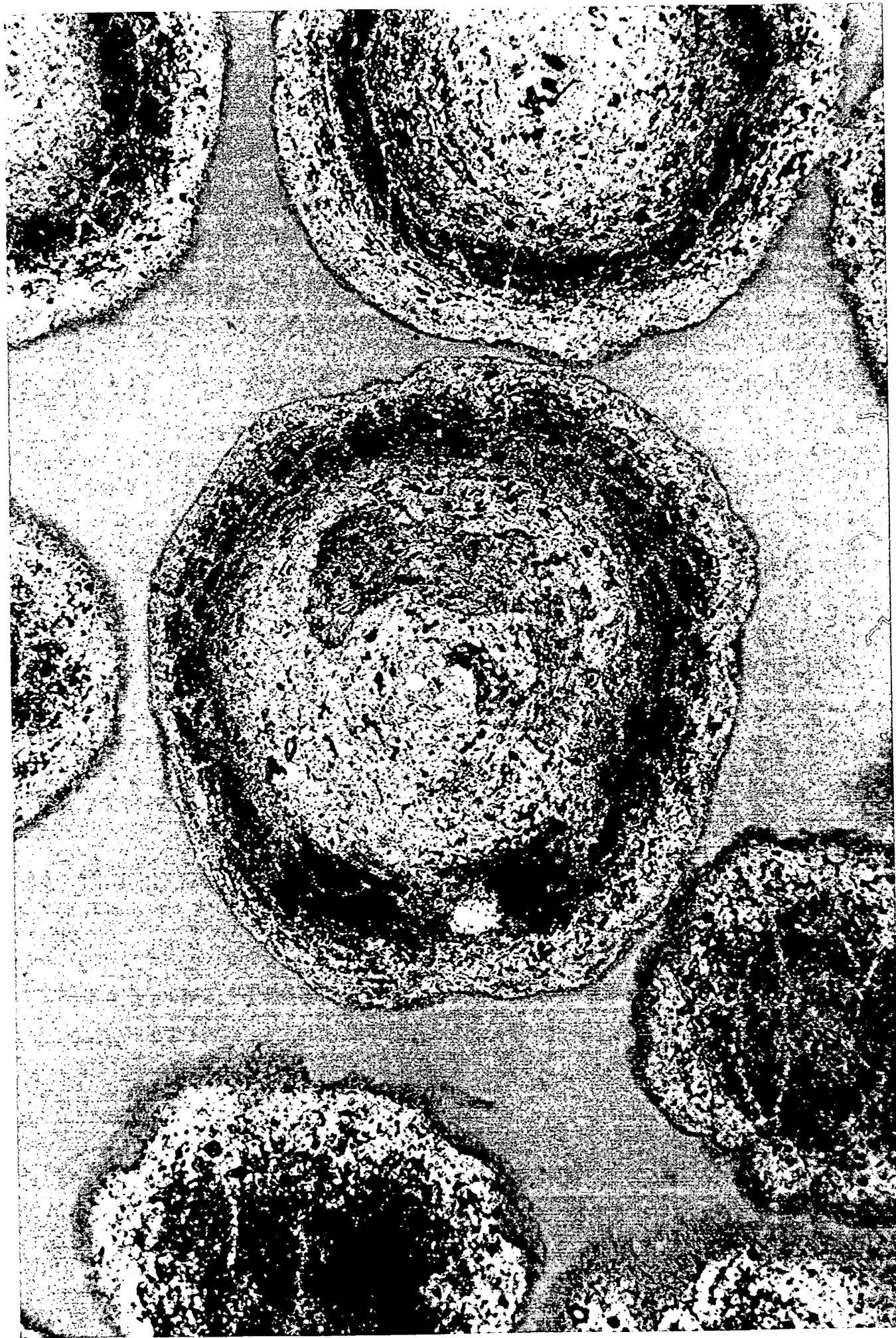


FIG. 14

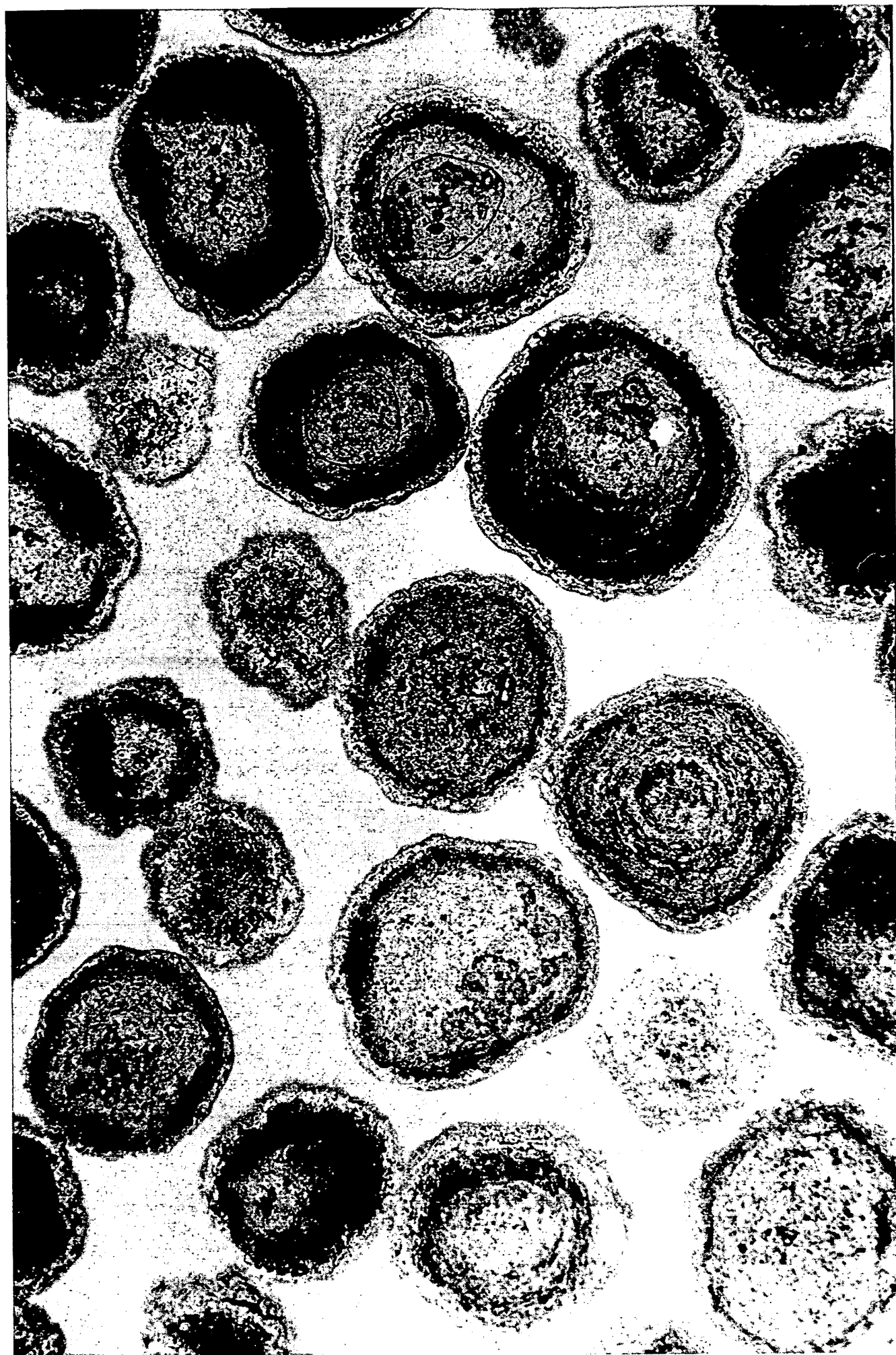


FIG. 15

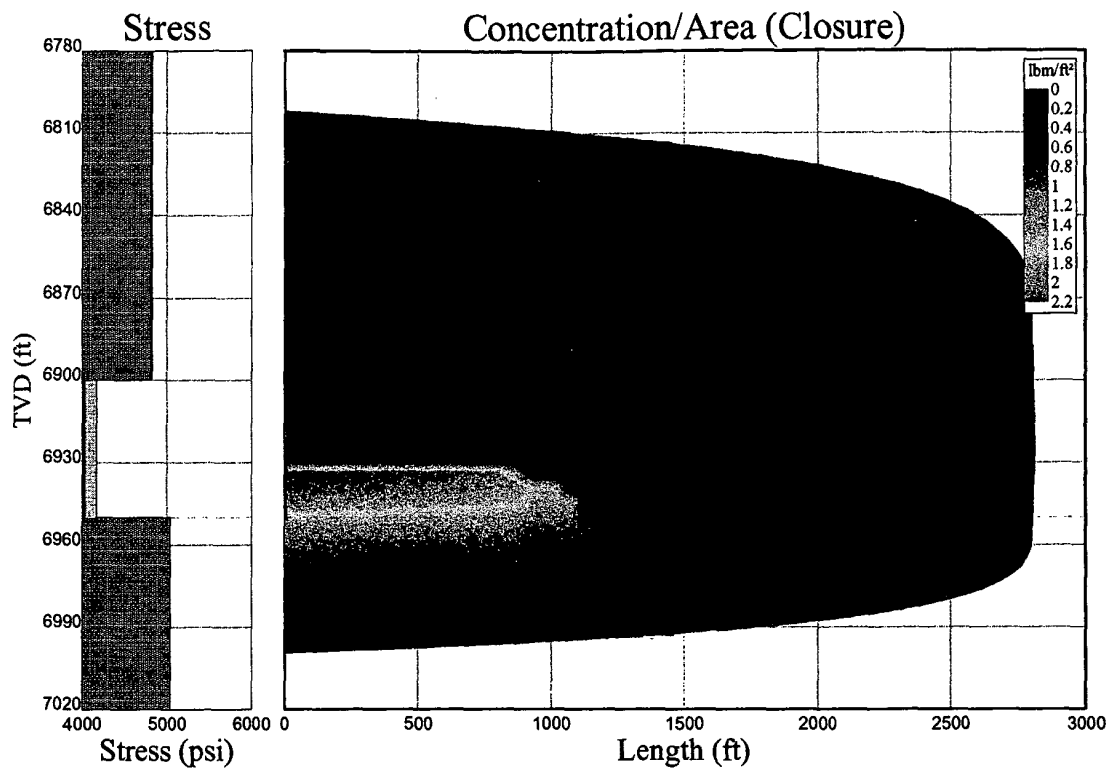


FIG. 16

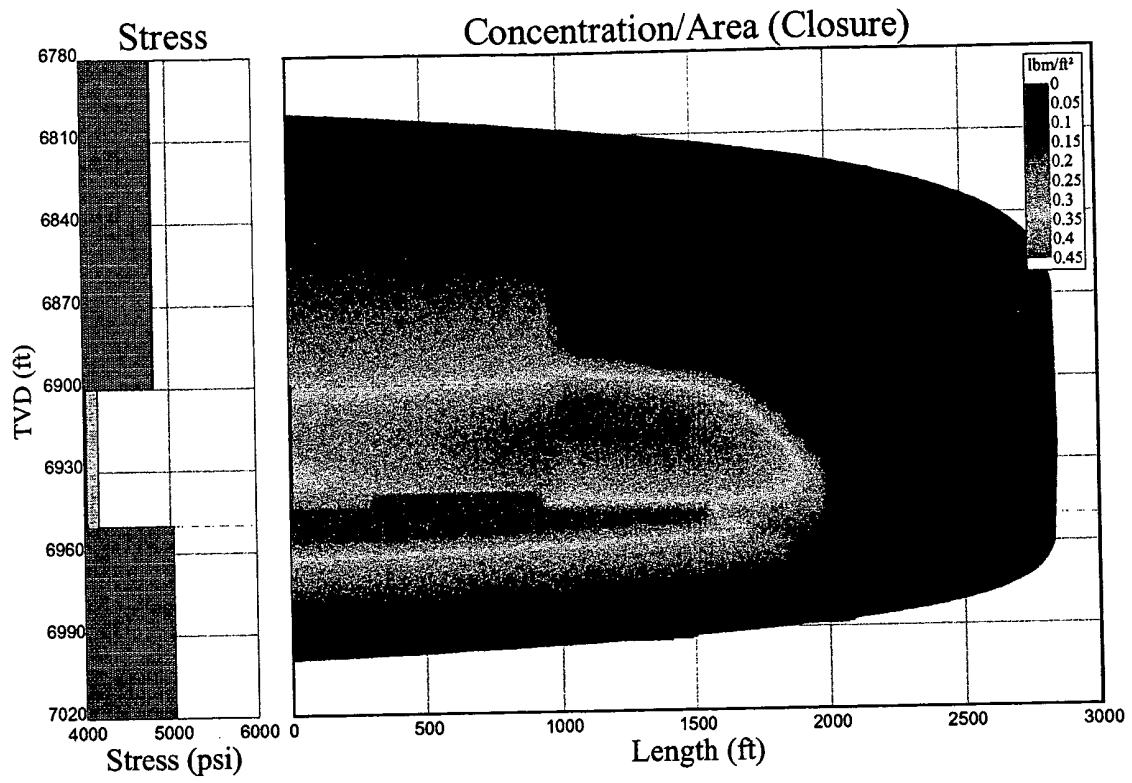


FIG. 17